

U. S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
ASSISTANT SECRETARY FOR HOUSING-FEDERAL HOUSING COMMISSIONER

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issue dated October 16, 1992)

MATERIALS RELEASE

NO. 1057d

ISSUE DATE May 19, 1995

REVIEW DATE May 19, 1998

TO: DIRECTORS, HOUSING DEVELOPMENT DIVISION

SUBJECT: 1. Product Western One Kote/U.S.G. Stucco System

2. Name and Address
of Manufacturer

Western Stucco Products Company, Inc.
6101 N. 53rd Drive
Glendale, AZ 85311

Data on the nonstandard product described herein have been reviewed by the Department of Housing and Urban Development and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement, approval or acceptance by HUD of the described product, and any statement or representation, however made, indicating such approval, endorsement or acceptance by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE: Exterior Stucco Wall System.

DESCRIPTION:

The Western One Kote/U.S.G. Stucco System is a 3/8" thick minimum exterior wall finish and insulation system consisting of cement, an acrylic polymer, alkali-resistant glass fibers, and proprietary additives blended and packaged into factory-marked bags. Water and sand are added at the job site. The resultant exterior plaster (stucco) mixture is applied to metal lath, in one coat, over 1" thick tongue-and-grooved polystyrene insulation to complete the system.

GENERAL CONDITIONS:

Field quality control shall be the responsibility of Western Stucco Products Company, Inc. The Western One Kote/U.S.G. Stucco System shall be installed by a company whose applicators have been trained and approved by Western Stucco Products Company, Inc. Western Stucco Products Company, Inc. shall furnish the applicator company with a certificate stating that the installing company personnel have been trained and are fully qualified to perform the work of installing the Western One Kote/U.S.G. Stucco System.

MATERIALS:

Mill-Mixed Western One Kote: The stucco consists of Portland cement 1/2" chopped alkali resistant fiberglass, an acrylic polymer, and a proprietary additives packaged in an 80 lb. moisture resistant bag. Sand and water are added at the job site.

The average compressive strength for any three consecutive tests shall be equal to or greater than 570 psi at 7 days and 1200 psi at 28 days when tested in accordance with ASTM C-109 (modified to use sand in compliance with ASTM C-897), and with mix proportions specified by Western Stucco Products Company, Inc.

The average flexural strength for any three consecutive tests shall be equal to or greater than 826 psi at 28 days when tested in accordance with ASTM C-348 (modified to use sand in compliance with ASTM C-897), and with mix proportions specified by Western Stucco Products Company, Inc.

Reinforcement: The wire lath or galvanized wire mesh shall comply with ASTM C-847-92.

Mechanical Fasteners: The mechanical fasteners shall be in compliance with HUD Use of Materials Bulletin (UM) No. 25d, Federal Specifications FF-N-105B, ASTM C-514 and ASTM C-846 (Sections 4.2, 4.3 and 4.4).

Sand: The sand shall be approved by Western Stucco Products, Inc., shall comply with ASTM C-897 (gradation shall be specified by Western Stucco Products Company Inc.), and shall be free of salts, organic matter and other deleterious materials.

Polystyrene Board: The polystyrene board shall be a minimum 1", maximum 4" thick board, manufactured from expanded polystyrene beads with a minimum density of 1-1/2 pcf. Physical properties shall comply with Use of Materials Bulletin (UM) 71a-1994.

Gypsum or Cement Based Sheathing: The gypsum sheathing shall be 1/2" thick, core-treated, water-resistant sheathing board in compliance with ASTM C-79, Section 3.2. The cement based sheathing shall be 1/2" thick minimum and be in compliance with ASTM C-1186.

Fiberboard: The fiberboard shall be 1/2" thick, construction grade, in compliance with ASTM C-208.

Wood Base Sheathing: The wood based sheathing shall comply with Use of Materials Bulletin (UM) 40c-1992 as set forth in 24 CFR 200.926. Plywood shall meet the requirements of PS 1.

Building Paper: The building paper shall be water resistant in compliance with Federal Specification UU-B-790a, Type I, Grade C.

LIMITATIONS:

1. Western One Kote/U.S.G. Stucco System shall not be applied over open studs.
2. Once mixed, the stucco shall not be retempered.
3. Only liquid acrylic binder, water and sand shall be added to the mill-mix in the field.

INSTALLATION:

Installation shall be in compliance with Western Stucco Products Company, Inc. specifications for the One Kote/U.S.G. Stucco System, HUD Minimum Property Standards, and this MR.

1. Prior to installation of the Western One Kote/U.S.G. Stucco System, the building shall be checked for solid nailing of studs, appropriate blocking, and structural bracing.
2. Sheathing is a part of the Western One Kote/U.S.G. System, and shall not be used as a nail base. All fasteners holding wire reinforcement shall be attached to wall studs.
3. Lath shall be inspected prior to application of the stucco.
4. One Kote shall be delivered to the job site in sealed bags, printed with the manufacturer's name and address, mixing instructions, and quality control batch number.

5. Horizontal expansion joints are required at each story level. Vertical expansion joints shall be spaced to enclose a maximum area of 144 square feet. Closer spacing may be required for specific job conditions, as determined by Western Stucco Products Company, Inc.
6. Water resistant building paper shall be placed over wood or wood based sheathing, and the wire mesh shall be applied over the paper. Lath and paper shall be lapped at the ends and sides for uninterrupted coverage of the sheathed wall receiving the stucco.
7. Provide for drainage behind the exterior stucco in compliance with Section A2.2, of the Appendix to ASTM C-926, Application of Portland Cement-Based Plaster.

MANUFACTURER'S WARRANTY:

Western Stucco Products Company, Inc. guarantees that the Western One Kote/U.S.G. Stucco System shall be free of defects, that result in faulty performance of the wall system for twenty years. Should any defects occur, Western Stucco Products Company, Inc. shall make a pro rata allowance for replacement or pay the owner the amount of the allowance. Western Stucco Products Company, Inc. shall not be liable for damages or defects resulting from misuse, natural catastrophes, casualties or other causes beyond the control of Western Stucco Products Company, Inc.

This warranty does not relieve the builder, in any way, of responsibility under the Builder's Warranty required by the National Housing Act or under any provisions applicable to any other housing program.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this MR commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.

2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the Manufactured Housing and Construction Standards Division, Office of Manufactured Housing and Regulatory Functions, HUD Headquarters, with a representative list of properties in which the material, product or system has been used since issuance of this MR, including complete addresses or descriptions of locations and dates of installations.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership, or mailing address.

EVALUATION:

This MR shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this MR shall apply for a renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to HUD Headquarters. Appropriate User Fees shall be sent to:

U. S. Department of Housing and Urban Development
Technical Suitability of Products Fees
P. O. Box 954199
St. Louis, MO 63195-4199

The holder of this MR may apply for revision at any time prior to the Review Date. The revision may be in the form of a supplement to the MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee for a revision will need to be submitted in accordance with Code of Federal Regulations 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program", and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of the MR. HUD will notify the manufacturer that the MR may be canceled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of the accepted material, product, or system,
2. the manufacturer has changed its organizational form without notifying HUD, or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice of the specific reasons for cancellation and the opportunity to present views on why the MR should not be canceled. No refund of fees will be made on a canceled document.

This Materials Release is issued solely for the captioned firm, and is not transferable to any person or successor entity.
